

**IN THE**  
**UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventor(s):** Sundar Vasudevan

**Confirmation No.:**

**Application No.:**

**Examiner:**

**Filing Date:**

**Group Art Unit:**

**Title:** POLYMERIC DISPERSANTS FOR INK-JET APPLICATIONS

**Commissioner for Patents**  
**PO Box 1450**  
**Alexandria, VA 22313-1450**

**INFORMATION DISCLOSURE STATEMENT**

**Sir:**

This Information Disclosure Statement is submitted:

(X) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

( ) under 37 CFR 1.97(c) together with either a:  
( ) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97 (d) together with a:  
( ) Statement under 37 CFR 1.97(e)(1) or (2), and  
( ) a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of **\$0.00**. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EV 469 251 619 US**

Date of Deposit 4/13/04

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By Emily Mecham

Typed Name: **Emily Mecham**

Respectfully submitted,

**Sundar Vasudevan**

By M. Wayne Western

**M. Wayne Western**  
Attorney/Agent for Applicant(s)  
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Date: 4/13/04

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## PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449		ATTY. DOCKET NO. <b>200314549-1</b>	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT <b>Sundar Vasudevan</b>		
(Use several sheets if necessary)		FILING DATE	GROUP	

**REFERENCE DESIGNATION**      **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
1A	3,992,343	11/16/1976	Haschke et al.	
1B	4,198,332	04/15/1980	Laqua et al.	
1C	4,552,939	11/12/1985	Thaler et al.	
1D	4,818,783	04/04/1989	Shioji et al.	
1E	5,280,095	01/18/1994	Aizawa et al.	
1F	5,554,739	09/10/1996	Belmont	
1G	5,556,583	09/17/1996	Tashiro et al.	
1H	5,640,187	06/17/1997	Kashiwazaki et al.	
1I	5,707,432	01/13/1998	Adams et al.	
1J	5,854,308	12/29/1998	Kuo et al.	
1K	5,955,515	09/21/1999	Kimura et al.	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO04/000916	Dec 31, 2003	Nanophase Tech.		W
	1M	WO04/003090	Jan 8, 2004	E.I. Du Pont Denemou		
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	1Q	
	1R	
	1S	

EXAMINER

DATE CONSIDERED

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EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
2A	6,077,900	06/20/2000	Boudreaux et al.	
2B	6,232,405	05/15/2001	Schmidhauser et al.	
2C	6,323,257	11/27/2001	Moffatt et al.	
2D	6,500,875	12/31/2002	Noguchi	
2E	6,602,333	08/05/2003	Miyabayashi	
2F	6,613,814	09/02/2003	Ishizuka et al.	
2G	6,652,084	11/25/2003	Teraoka et al.	
2H	6,677,398	01/13/2004	Egolf et al.	
2I				
2J				
2K				

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

2Q	
2R	
2S	

EXAMINER

DATE CONSIDERED